

Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

Claim 1 (canceled).

2. (currently amended) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 4 20, wherein said foam stabilizer is formed of polysiloxane-polyoxyalkylene copolymer which is featured in that it is provided, at a terminal of polyoxyalkylene chain, with a functional group which is capable of chemically bonding to an isocyanate group, that said polyoxyalkylene chain has a number average molecular weight ranging from 150 to 1500, and that a weight ratio between ethylene oxide and propylene oxide in said polyoxyalkylene chain is in the range of 70/30 to 0/100.

3. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 2, wherein a terminal of said polyoxyalkylene chain of the polysiloxane-polyoxyalkylene copolymer is constituted by hydroxyl group.

4. (currently amended) The method of manufacturing a low air-permeability flexible polyurethane foam block according to

claim \pm 20, wherein the polyol moiety is constituted by polyether polyol.

5. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 2, wherein the polyol moiety is constituted by polyether polyol.

6. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 3, wherein polyol moiety is constituted by polyether polyol.

7. (currently amended) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim \pm 20, wherein the polyol moiety is constituted by polyurethane prepolymer to be synthesized through a reaction between polyether polyol and isocyanate compound.

8. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 2, wherein the polyol moiety is constituted by polyurethane prepolymer to be synthesized through a reaction between polyether polyol and isocyanate compound.

9. (original) The method of manufacturing a low air-

permeability flexible polyurethane foam block according to claim 3, wherein the polyol moiety is constituted by polyurethane prepolymer to be synthesized through a reaction between polyether polyol and isocyanate compound.

10. (currently amended) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim ~~1~~ 20, wherein a hydrocarbon compound which is excellent in fluidity is further employed as an additive.

11. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 2, wherein a hydrocarbon compound which is excellent in fluidity is further employed as an additive.

12. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 3, wherein a hydrocarbon compound which is excellent in fluidity is further employed as an additive.

13. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 4, wherein a hydrocarbon compound which is excellent in fluidity is further employed as an additive.

14. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 5, wherein a hydrocarbon compound which is excellent in fluidity is further employed as an additive.

15. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 6, wherein a hydrocarbon compound which is excellent in fluidity is further employed as an additive.

16. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 7, wherein a hydrocarbon compound which is excellent in fluidity is further employed as an additive.

17. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 8, wherein a hydrocarbon compound which is excellent in fluidity is further employed as an additive.

18. (original) The method of manufacturing a low air-permeability flexible polyurethane foam block according to claim 9, wherein a hydrocarbon compound which is excellent in fluidity

is further employed as an additive.

19. (currently amended) A low air-permeability flexible polyurethane foam block which is formed through a method claimed in any one of the methods claimed in claims ± 20 and 2 to 18, said flexible polyurethane foam block being useful as a cushioning material, a sound absorbing material, an air-sealing material or a water sealing material.

20. (new) A method of manufacturing a low air-permeability flexible polyurethane foam block through an employment of at least polyol, an isocyanate compound, a catalyst, a foaming agent and a foam stabilizer, said method being featured in that

an open-cell flexible polyurethane foam block having an air-permeability of not more than 5cc/cm²/sec and a variation of air-permeability throughout the entire body thereof is confined to not more than 1cc/cm²/sec is enabled to be formed without accompanying an opening of the cells step called healthy bubble.